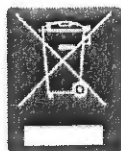


## OPERATING INSTRUCTIONS

### for Multilight LED-Illuminators

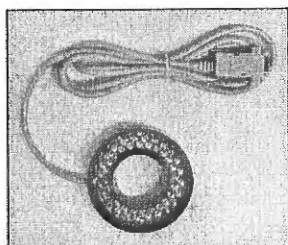


#### 1. General

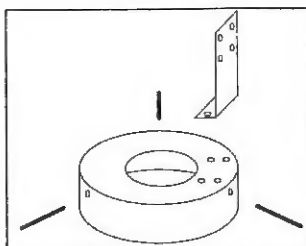
- Never look directly into the light source to avoid damage to your eyes!
- Clean surfaces with a soft moistened cloth.
- Should there be defects noticeable, don't repair them, but return the product to your supplier.
- When replacing a fuse, be sure to pull the main plug beforehand.
- This LEDs are in accordance with Laserclass 1 (EN 60825-1:2001).

#### 2. LED-Ringlight

Multilight LED-Illuminators don't require service. They come always with the correct plug which fits into the ordered LED-Controller.



LED-Ring Illuminator



Mounting proposal

To mount the Ring-Illuminator to objective lenses or to microscopes 3 centering screws or an optional 90° bracket is supplied, see above.

#### 3. Accessories for LED-Ringlights

##### a) Fresnel Lenses

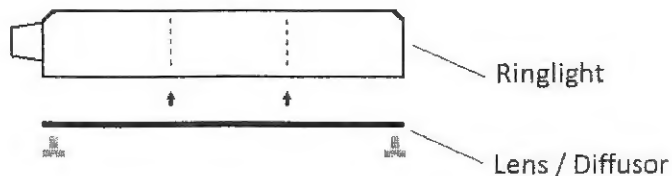
They project the image of the LED in varying distances, like 50, 100 and 200mm

##### b) Diffusor

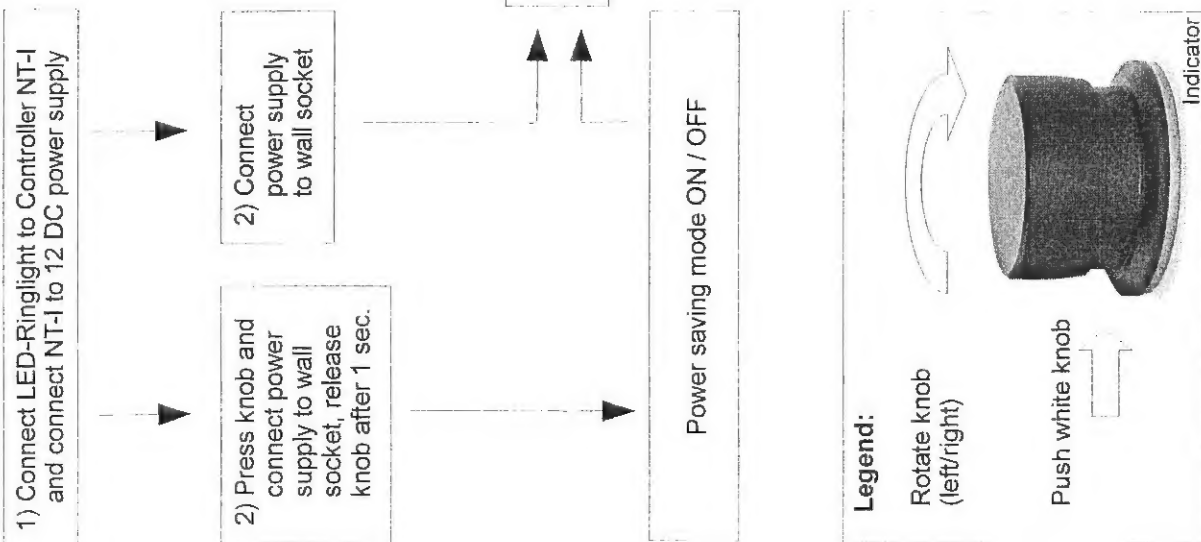
In order to create an even distribution of the LED-source, use a diffusing glass.  
Recommended use:

Working Distance	Recommendation	Alternative
40 - 80 mm	Fresnel 50mm	---
80 - 140 mm	Fresnel 100mm	---
140 - 250 mm	Fresnel 200mm	Diffusor
250 -	no lens needed	Diffusor

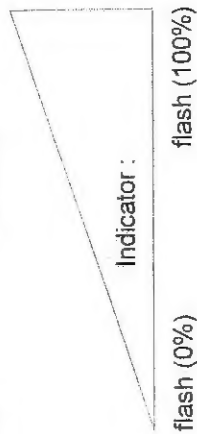
All above Accessories are mounted with 2 M2 screws at the front of the Ringilluminator.



# Quick Start Guide for LED controller NT-I



Startup with the last adjusted intensity



## Power saving mode:

After 20 minutes unusing the knob, the intensity is automatically reduced to 25% of the adjusted intensity. The indicator becomes green

Rotate the knob to return from power saving mode to intensity adjustment.

